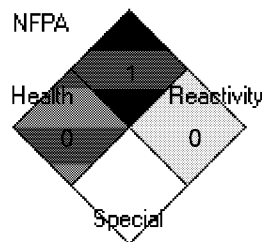


MSDS - Material Safety Data Sheet**Product Name:** *Harvey Heat -100***MSDS No.:** 016850**Part Numbers Covered:**016850
016851
016860
016861
016870**I. Basic Information:****Manufacturer:** WILLIAM H. HARVEY COMPANY
Address: 4334 SOUTH 67TH STREET
City, ST Zip: OMAHA, NE 68117-1019**Last Update:** 7/8/2002**Chemical State:** ☒ Liquid ☐ Gas ☐ Solid**Chemical Type:** ☐ Pure ☐ Mixture

0	Health
1	Flammability
0	Reactivity
X	Pers. Protection

II. Ingredients:

CAS No.	Chemical Name	% Range	EHS	NTP	IARC	SUB Z	SARA 313	OSHA PEL	ACGIH TLV	Other Limits
57556	PROPYLENE GLYCOL	NI						NI	400	NI

III. Hazardous Identification:**Hazard Category:**
☐ Acute
 ☐ Chronic
 ☐ Fire
 ☐ Pressure
 ☐ Reactive
Hazardous Identification Information:

NI

IV. First Aid Measures:**Route(s) of Entry:**

EYE CONTACT, SKIN CONTACT, INHALATION

Health Hazards (Acute and Chronic):

NONE CURRENTLY KNOWN

Signs and Symptoms:

EYES: IRRITATION, REDNESS

SKIN: IRRITATION, PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE IRRITATION, REDNESS, DEFATTING

INHALATION: INHALATION MAY CAUSE IRRITATION, HEADACHE, NAUSEA, DROWSINESS

INGESTION: MAY CAUSE NAUSEA, DIARRHEA

Medical Conditions Generally Aggravated by Exposure:

MAY AGGRAVATE DISORDERS OF THE SKIN

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Emergency and First Aid Procedures:

EYES: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, WHILE HOLDING EYELIDS APART TO ENSURE FLUSHING OF ENTIRE SURFACE. CALL A PHYSICIAN

SKIN: IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. THOROUGHLY CLEAN CLOTHING AND SHOES BEFORE REUSE. CALL A PHYSICIAN,

INHALATION: REMOVE TO FRESH AIR, IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH TO MOUTH. IF BREATHING IS DIFFICULT GIVE OXYGEN. CALL A PHYSICIAN.

INGESTION: DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. DILUTE STOMACH CONTENTS BY DRINKING WATER. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT BREATHING VOMIT INTO LUNGS. CALL A PHYSICIAN IMMEDIATELY

Other Health Warnings:

V. Fire Fighting Measures:

Flash Point: 214 DEG. F

Lower Explosive Limit: 2.6

Upper Explosive Limit:

Fire Extinguishing Media: WATER SPRAY, DRY CHEMICAL, FOAM, CARBON DIOXIDE

Special Fire Fighting Procedures:

PREVENT HUMAN EXPOSURE TO FIRE, FUMES, SMOKE, AND PRODUCTS OF COMBUSTION. EVACUATE NONESSENTIAL PERSONNEL. FIREFIGHTERS SHOULD WEAR FULL FACE, SELF CONTAINED BREATHING APPARATUS AND IMPERVIOUS PROTECTIVE CLOTHING. WATER OR FOAM MAY CAUSE FROTHING. USE WATER TO COOL CONTAINERS EXPOSED TO FIRE.

Unusual Fire and Explosion:

VAPOR MAY TRAVEL A CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLAH BACK.

VI. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:

IN CASE OF SPILLS: CONTAIN AND DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. SWEEP, SHOVEL, OR PICK UP AND RETURN TO DRY, CLEAN CONTAINER. FLUSH SPILL AREA WITH WATER

VII. Handling and Storage:

Precautions to be Taken:

WEAR PROTECTIVE EQUIPMENT WHEN HANDLING. USE ONLY WITH ADEQUATE VENTILATION. DO NOT GET IN EYES. DO NOT BREATHE VAPOR OR MIST. DO NOT SWALLOW.

KEEP CONTAINER CLOSED WHEN NOT IN USE. STORE IN A COOL DRY PLACE. STORE IN ACCORDANCE WITH NFPA REQUIREMENTS. KEEP OUT OF REACH OF CHILDREN

Other Precautions:

THIS CONTAINER HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINER CONTAINS PRODUCT REISDUES (VAPOR OR LIQUID), ALL LABELED HAZARD PRECAUTIONS MUST BE OBSERVED.

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

ADEQUATE VENTILATION IS REQUIRED TO MINIMIZE EXPOSURE OR TO MAINTAIN EXPOSURE LEVELS BELOW OSHA/ACGIH REQUIREMENTS.

Personal Protective Equipment:

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EYES: CHEMICAL GOGGLES, ALWAYS WEAR EYE PROTECTION WHEN WORKING WITH CHEMICALS. DO NOT WEAR CONTACT LENSES WHEN WORKING WITH CHEMICALS

SKIN: CLEAN BODY COVERING CLOTHING, IMPERVIOUS GLOVES

INHALATION: IF EXPOSURE LIMITS ARE EXCEEDED, OR IF EXPOSURE MAY OCCUR, USE A NIOSH/MSHA RESPIRATOR APPROVED FOR YOUR CONDITIONS OF EXPOSURE. REFER TO THE MOST RECENT NIOSH PUBLICATIONS CONCERNING CHEMICAL HAZARDS, OR CONSULT YOUR SAFETY EQUIPMENT SUPPLIER. RESPIRATORY PROTECTION PROGRAMS MUST BE IN COMPLIANCE WITH OSHA REQUIREMENTS IN 29 CFR 1910.134. FOR EMERGENCIES, A NIOSH/MSHA APPROVED POSITIVE PRESSURE BREATHING APPARATUS SHOULD BE READILY AVAILABLE.

IX. Physical and Chemical Properties:

Boiling Point:	365	Melting Point:	NI	Evaporation Rate:	.005
Vapor Pressure (mm Hg.):	.10 @77 F	Vapor Density (AIR = 1):	2.6		
Solubility In Water:	COMPLETE				
Appearance and Odor:	COLORLESS TO LIGHTLY COLORED				
Other Information:					

X. Stability and Reactivity:

Stability:

STABLE

Incompatibility (Materials to Avoid):

NONE CURRENTLY KNOWN

Decomposition/By Products:

CARBON MONOXIDE, CARBON DIOXIDE, MISCELLANEOUS ORGANIC COMPOUNDS, SOME POSSIBLY TOXIC

Hazardous Polymerization:

WILL NOT OCCUR

XI. Toxicological Information:

NDA

XII. Ecological Information:

NDA

XIII. Disposal Considerations:

MATERIAL THAT CANNOT BE USED OR CHEMICALLY REPROCESSED SHOULD BE DISPOSED OF AT AN APPROVED FACILITY IN ACCORDANCE WITH ANY APPLICABLE REGULATION UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT. DISPOSE OF MATERIAL IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. LOCAL REGULATIONS MAY BE MORE THAN FEDERAL OR STATE.

XIV. Transport Information:

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TRANSPORATION INFORMATION:

DOT PROPER SHIPPING NAME: N/A

DOT LABEL: N/A

DOT NUMBER: N/A

UN NUMBER: N/A

IMCO CLASS: N/A

DOT HAZARD CLASSIFICATION: N/A

XV. Regulatory Information:

NDA

XVI. Other Information:

NI

SAFETY SHOWER, EYE WASH FOUNTAIN, AND WASHING FACILITIES SHOULD BE READILY AVAILABLE.